

### **Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

### **Listing of Claims:**

1. (CURRENTLY AMENDED) An inhalation therapy device comprising
  - a. a nebulising device (~~1; 2; 30, 31~~) for nebulising a liquid stored in a storage container (~~3; 33~~);
  - b. a sensor means (~~10~~) for detecting the temperature (T) of the liquid; and
  - c. a control device (~~20, 21, 22, 23~~) for controlling nebulisation of the liquid by the nebulising device (~~1~~) in dependence on the temperature (T) detected by the sensor means (~~10~~).
2. (CURRENTLY AMENDED) An inhalation therapy device according to claim 1, ~~characterised in that~~ wherein said nebulising device (~~1~~) comprises a nebulising nozzle (~~2~~) to which compressed air can be supplied to nebulise the liquid, and that said control device comprises a valve means (~~21~~) which influences, in particular allows or interrupts, the supply of compressed air to the nebulising nozzle (~~2~~).
3. (CURRENTLY AMENDED) An inhalation therapy device according to claim 1, ~~characterised in that~~ wherein said nebulising device (~~1~~) comprises a nebuliser membrane (~~30~~) which can be caused to oscillate by means of an oscillation generating device (~~31~~) so as to nebulise a liquid disposed on one side of the membrane, that said control device is connected with an excitation device (~~34~~) which excites said oscillation generating device (~~31~~), and that said control device (~~20~~) controls, in particular activates and deactivates, said excitation device (~~34~~).
4. (CURRENTLY AMENDED) An inhalation therapy device according to ~~one of claims 1 to 3, characterised in that~~ claim 1, wherein said control device (~~20~~) comprises a memory means (~~23~~), in which information regarding the relation between the detected temperature and the manner of control of the nebulising device (nebulisation schema), in particular as regards the duration and/or frequency of nebulisation, is stored.

5. (CURRENTLY AMENDED) An inhalation therapy device according to claim 4, ~~characterised in that~~ wherein a plurality of nebulisation schemata are stored in the memory means.

6 (CURRENTLY AMENDED) An inhalation therapy device according to claim 5, ~~characterised in that~~ wherein the plurality of nebulisation schemata can be used for different nebulisers and/or medicaments and/or therapies.

7. (CURRENTLY AMENDED) An inhalation therapy device according to ~~one of claims 5 or 6,~~ ~~characterised in that~~ claim 1, wherein the control device (20) comprises a selecting means (22), via which one of the nebulisation schemata can be selected by a user.

8. (CURRENTLY AMENDED) An inhalation therapy device according to ~~one of claims 1 to 7,~~ ~~characterised in that~~ claim 1, wherein the control device (20) controls the nebulising device (1) such that nebulisation takes place in time intervals whose length is dependent on the temperature of the liquid to be nebulised.

9. (CURRENTLY AMENDED) An inhalation therapy device according to ~~one of claims 1 to 8,~~ ~~characterised in that~~ claim 1, wherein said control device (20) controls the nebulising device such that nebulisation takes place in time intervals whose frequency is dependent on the temperature of the liquid to be nebulised.

10. (CURRENTLY AMENDED) An inhalation therapy device according to ~~one of claims 1 to 9,~~ ~~characterised in that~~ claim 1, wherein when controlling the nebulising device, the control device (20) takes into consideration an increase in the concentration of the medicament in the stored liquid occurring during a therapy session.

11. (CURRENTLY AMENDED) An inhalation therapy device according to claim 10, ~~characterised in that~~ wherein said control device (20) comprises a memory means (23) in which

information regarding the control taking into consideration the temperature-dependent increase in the concentration of the medicament (nebulisation schema) is stored.

12. (CURRENTLY AMENDED) An inhalation therapy device according to claim 10, ~~characterised in that~~ wherein said control device (20) takes into consideration the temperature-dependent increase in the concentration of the medicament by shortening the nebulisation intervals.

13. (CURRENTLY AMENDED) An inhalation therapy device according to claim 10 ~~or 11~~, ~~characterised in that~~ wherein the control device (20) takes into consideration the temperature-dependent increase in the concentration of the medicament by reducing the frequency of the nebulisation intervals.

14. (CURRENTLY AMENDED) An inhalation therapy device according to claim 10, ~~11 or 12~~, ~~characterised in that~~ wherein the selecting means (22) of the control device (20) is designed for selecting a medicament and/or an initial concentration.

15. (CURRENTLY AMENDED) An inhalation therapy device according to ~~one of claims 1 to 12~~, ~~characterised in that~~ wherein the control device (20) determines the administered dose of the medicament based on the duration/frequency of the nebulisation intervals and the concentration of the medicament in the stored liquid, and ends nebulisation upon reaching a predetermined dose.